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Space Administration

Jet Propulsion Laboratory
California Institute of Technology
Pasadena, California



Cassini-Huygens Outreach: It Takes A Village to Reach the World

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Overview

The strength of the Cassini-Huygens Outreach program is partners.

Flight Team Members

Trained public speakers (Solar System Ambassadors)

Education Specialists (Bay Area Writing Project)

Amateur Astronomers (Saturn Observation Campaign)





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Classroom Learning Through Science & Language Arts

Reading, Writing, and Rings (RWR)

- Integrated Language Arts and Science curriculum
- Focused on students in US grades 1-4



Partners

Bay Area Writing Project (University of California)
Foundations in Reading Through Science & Technology
(Project FIRST - Space Sciences Laboratory)
CalTech Pre-College Science Initiative
Presidential Award Educators from throughout California

Program has just undergone a comprehensive evaluation by the
CalTech Pre-College Science Initiative.





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Classroom Learning Through Hands-On Science

“Scientist for A Day”

- Student teams choose from a pre-selected target list
- Students write and submit essays advocating for their target
- Cassini Flight Team members “judge” the essays
- The team with the winning essay participates in data collection of that target



Partners

- Cassini Flight Team
- NASA Explorer Schools - Pilot Program

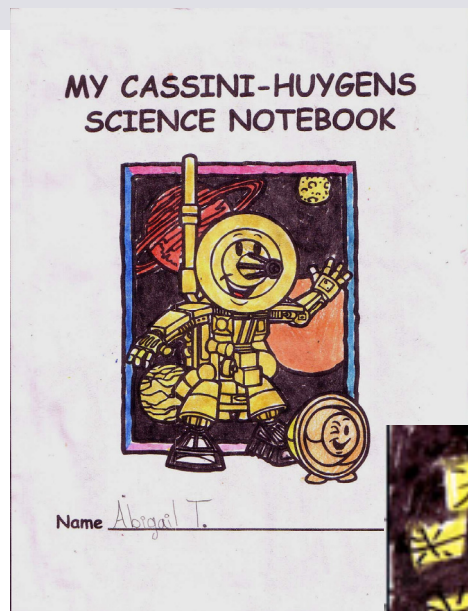




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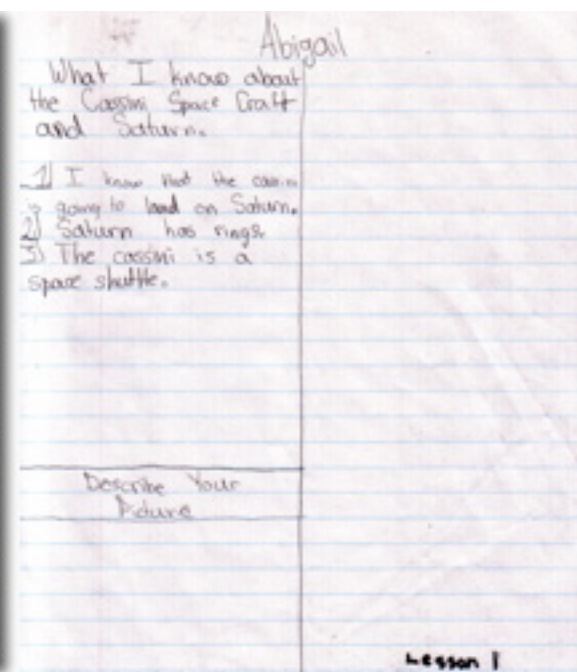
Pre-Assessment 2nd Grade Student



Abigail

What I know about the Cassini Space Craft and Saturn.

- 1) I know that the Cassini is going to land on Saturn.
- 2) Saturn has rings.
- 3) The Cassini is a space shuttle.

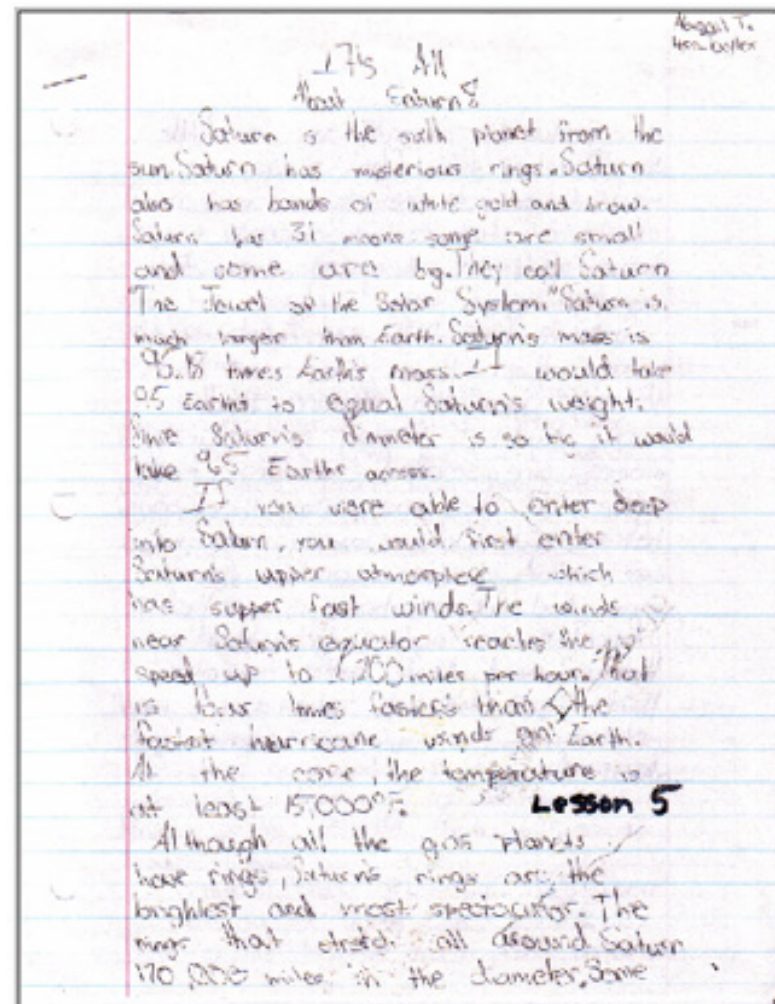
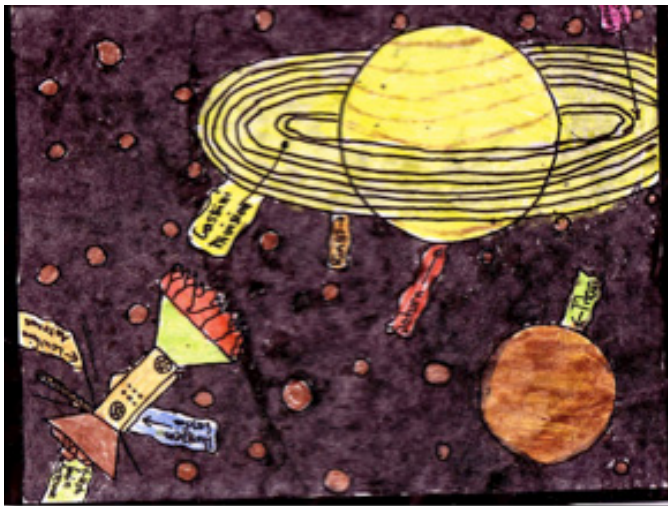




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Post-Assessment 2nd Grade Student

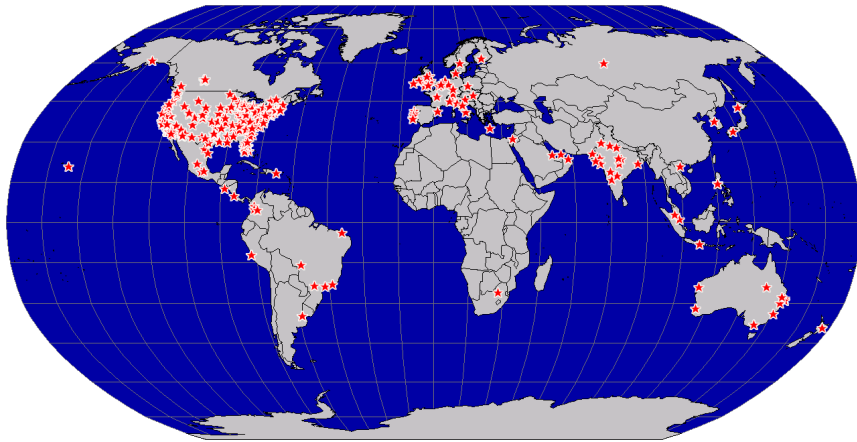




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Saturn Observation Campaign



Membership

- 350 amateur astronomers in 44 US states and 46 countries
- Program brings Saturn to the general public, schools, and youth groups around the world.



Visitors to Old Town Pasadena enjoy views of the first-quarter Moon through Jane's 12.5-inch reflector telescope.



20 September 2006
SLM



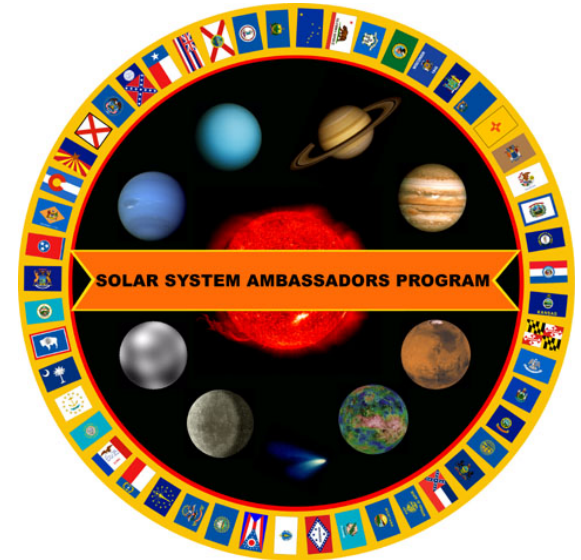
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Solar System Ambassadors

Membership

- 470 members in 50 US states and Puerto Rico
- Members receive training via web and teleconference
- Training is run by Flight Team Personnel



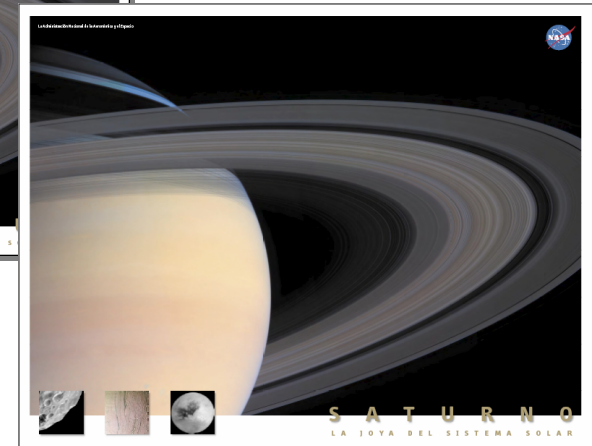
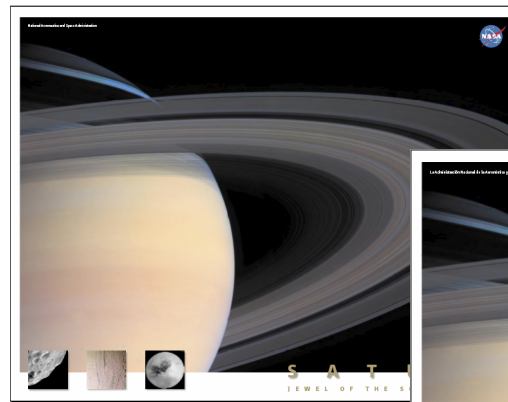


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Products for Diverse Communities

- **Ring World 2 Planetarium Show DVD in English, Spanish and Letterbox (for hearing impaired)**
- **Cassini Educator Wallsheet in English and Spanish**
 - *Saturno: La Joya Del Sistema Solar (Saturn: Jewel of the Solar System)*





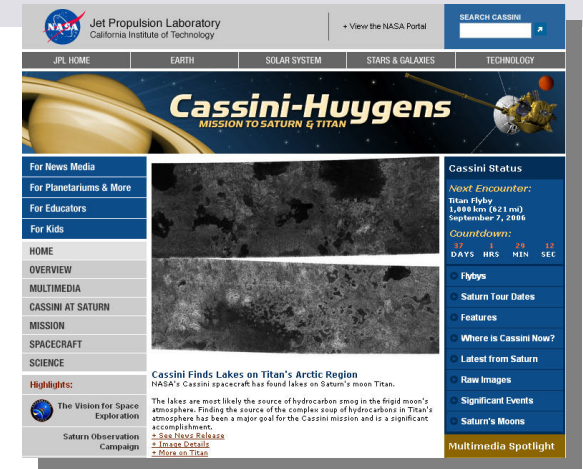
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Cassini's Web Presence

Linking the World to the Mission

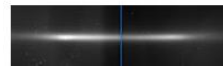
- Technical information on the saturn system
- Educator Resources
- Images and Data including 'raw image gallery'
- Mission Updates and "Upcoming Events"
- News



Saturn's Faint Rings Share Some Of Their Secrets

July 5, 2006
(Source: Space Science Institute, Boulder, Colorado)

NASA Cassini spacecraft images of Saturn's diaphanous G and E rings are yielding new clues about their structure and formation.

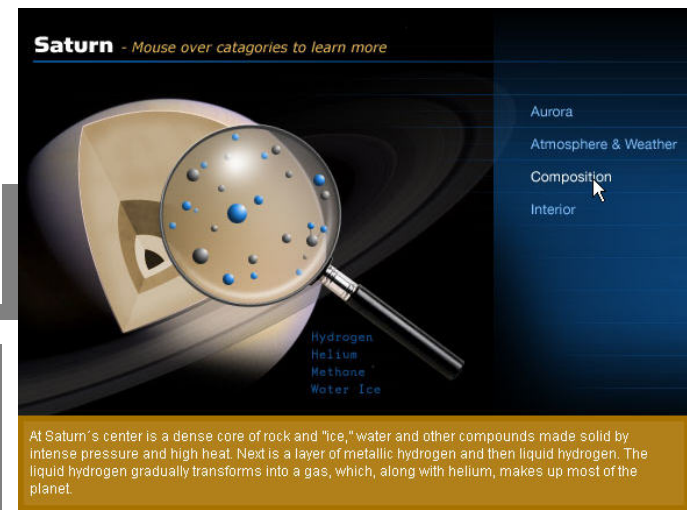
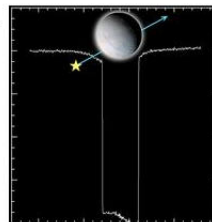


Enceladus Exudes an Air of Mystery

June 29, 2006
(Source: Jet Propulsion Laboratory)

Atomic oxygen could never be confused with expensive perfume. But just as a fragrance lingering in the air of an empty room offers hints about a previous occupant, the cloud of oxygen the Cassini spacecraft encountered as it first approached Saturn turned out to be a calling card from another celestial presence, the tiny moon Enceladus.

The oxygen was the first clue that much more is going on beneath Enceladus' icy surface than it first appeared. It took a while for scientists to get the message. Tracking down the oxygen's source led them to a most unusual spot in the solar system, a place that may possess one of the rarest and most sought-after substances in the universe - liquid water.



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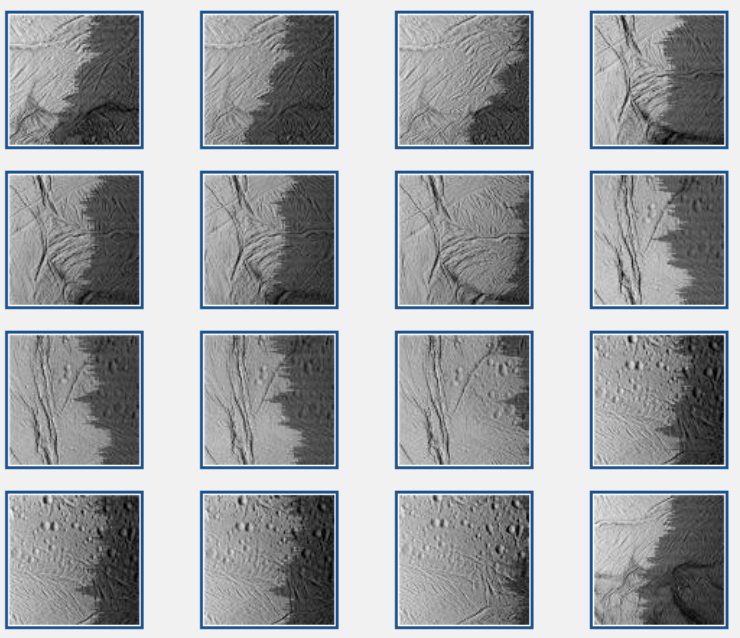
Cassini Raw Image Gallery

Images Videos Products

Multimedia - Images - Raw Images - Results Raw Images Go

The latest 500 raw images are displayed below.

Displaying results 321 to 336 of 500



[« Previous](#) [Next »](#)

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Collection of over 70,000 images from the spacecraft.

Approximately 3,700 images added each month.

Images are posted within 24 hours of coming off the spacecraft.



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Cassini's Web Presence

Some email Praise:

Thanks for making raw images publicly available.

I find the recent pictures of saturnshine on lapetus wonderful (if it is what I think). Will you make a press-release about it ?

--- Cheritat Arnaud, Greece

I'd just like to thank everyone involved in this mission and website. Saturn is a fascinating planet. I remember when Cassini was launched and it seemed like too long a time to wait for it to arrive at Saturn. Now I can't believe the mission is half over. I check your website everyday even when I recently traveled to Turkey. Keep up the good work and thanks again!

--Clint Povich

Kansas City, KS

Just wanted to say what a great site! Super layout, great material. Keep up the great work!

Thanks

Mark, Calgary, Canada